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<210> 826

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<210> 827

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<400> 827
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<210> 828

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<210> 829

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<210> 830

<211> 13

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 830
cactgcttcg tgg   13

<210> 831

<211> 26

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<400> 831
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<210> 832

<211> 27

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<400> 832
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<210> 833

<211> 25

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<400> 833
gggttgtgga gtgagtgttc aagta   25

<210> 834

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 834
aacccaaact ccgaaggcgg cgtg   24

<210> 835

<211> 28

<212> DNA

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<400> 835
cggaagaagc agttggaggc gtgacggt   28

<210> 836

<211> 14

<212> DNA

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 836
caacgcttcc tccg   14

<210> 837

<211> 29

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<223> Synthetic

<400> 837
gccgtcacgc ctctttgggt ttgcttgtc   29

<210> 838

<211> 28

<212> DNA

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<400> 838
gccgtcacgc ctctttgggt ttgcttgt   28

<210> 839

<211> 27

<212> DNA

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<223> Synthetic

<400> 839
tggagtgagt gttcaagtct tcggaga   27

<210> 840

<211> 22

<212> DNA

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<223> Synthetic

<400> 840
gacaagcaaa cccaaagagg cg   22

<210> 841

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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cggaagaagc agttggaggc gtgacggc                                    28


<210>  842

<211>  14

<212>  DNA

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<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  842
caacgcttcc tccg                                                   14


<210>  843

<211>  27

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  843
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<210>  844

<211>  26

<212>  DNA

<213>  Artificial Sequence


<220>
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<223> Synthetic

<400> 844
cctgtctcgc tgccttcgga gtttgg   26

<210> 845

<211> 25

<212> DNA

<213> Artificial Sequence

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<400> 845
gggttgtgga gtgagtgttc aagta   25

<210> 846

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 846
cccaaactcc gaaggcagcg   20

<210> 847

<211> 28

<212> DNA

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<400> 847
cggaggaagc agttggcagc gagacagg   28

<210> 848

<211> 28

<212> DNA

<213> Artificial Sequence

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<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<400> 848
cggaggaagc agttggcagc gagacagg   28

<210> 849

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<400> 849
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<210> 850

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<400> 850
cggaggaagc agttggcagc gagacagg   28

<210> 851

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine
       .

<400> 851
cggaggaagc agttggcagc gagacagg   28

<210> 852

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<400> 852
cggaggaagc agttggcagc gagacagg   28

<210> 853

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine
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<220>

<221>  modified_base

<222>  (22)..(22)

<223>  The modified nucleotide at this position is amino-deoxy adenosine
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<400>  853
cggaggaagc agttggcagc gagacagg                                        28


<210>  854

<211>  14

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  854
caacgcttcc tccg                                                       14


<210>  855

<211>  28

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  855
gccgtcacgc ctctgggaca cttgctgc                                        28
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<210> 856

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 856
gccacaatgg tcttgaagat cacagcttct ta   32

<210> 857

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 857
gcagcaagtg tcccagaggc g   21

<210> 858

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 858
cggaagaagc agttggaggc gtgacggc   28

<210> 859

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 859
caacgcttcc tccg   14

<210> 860

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 860
ccgtcacgcc tccttcggag tttggg   26

<210> 861

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 861
gggttgtgga gtgagtgttc aagta   25

<210> 862

<211> 20

<212> DNA

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<400> 862
gggaaactcc gaaggaggcg   20

<210> 863

<211> 27

<212> DNA

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<220>

<223> Synthetic

<400> 863
ccaggaagca agtggaggcg tgacggu   27

<210> 864

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 864
cactgcttcg tgg   13

<210> 865

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 865
cgccgagatc accttcggag tttggg   26

<210> 866

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 866
gggttgtgga gtgagtgttc aagta   25

<210> 867

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 867
cccaaactcc gaaggtgatc   20

<210> 868

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 868
cggaagaagc agttggtgat ctcggcgg   28

<210> 869

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 869
caacgcttcc tccg   14

<210> 870

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 870
aacgaggcgc accttcggag tttggg   · 26

<210> 871

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 871
gggttgtgga gtgagtgttc aagta   25

<210> 872

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 872
cccaaactcc gaaggtgcg   19

<210> 873

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 873
cggaagaagc agttggtgcg cctcgttaa   29

<210> 874

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 874
caacgcttcc tccg   14

<210> 875

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 875
ccgtcacgcc tccttcggag tttgg   25

<210> 876

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 876
gggttgtgga gtgagtgttc aagta   25

<210> 877

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 877

gtttgcttgt ccaggtgg   18

<210>   878

<211>   19

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<400>   878
ccaaactccg aaggaggcg   19

<210>   879

<211>   28

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<400>   879
cggaagaagc agttggaggc gtgacggt   28

<210>   880

<211>   14

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<220>

<221>   misc_feature

<222>   (4)..(4)

<223>   The residue at this position is linked to a spacer bearing a Cy3
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<400>  880
caacgcttcc tccg                                                    14


<210>  881

<211>  24

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  881
ccgtcacgcc tccttcggag tttg                                         24


<210>  882

<211>  25

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  882
gggttgtgga gtgagtgttc aagta                                        25


<210>  883

<211>  19

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  883
gttttgcttg tccaggtgg                                               19


<210>  884

<211>  19
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<212>   DNA

<213>   Artificial Sequence


<220>

<223>   Synthetic

<400>   884
ccaaactccg aaggaggcg                                              19


<210>   885

<211>   28

<212>   DNA

<213>   Artificial Sequence


<220>

<223>   Synthetic

<400>   885
cggaagaagc agttggaggc gtgacggt                                    28


<210>   886

<211>   14

<212>   DNA

<213>   Artificial Sequence


<220>

<223>   Synthetic

<220>

<221>   misc_feature

<222>   (4)..(4)

<223>   The residue at this position is linked to a spacer bearing a Cy3
        dye.


<400>   886
caacgcttcc tccg                                                  14


<210>   887
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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 887
ccgtcacgcc tccttcggag ttt   23

<210> 888

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 888
gggttgtgga gtgagtgttc aagta   25

<210> 889

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 889
gggtttgctt gtccaggtg   19

<210> 890

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 890
ccaaactccg aaggaggcg   19

<210> 891

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 891
cggaagaagc agttggaggc gtgacggt   28

<210> 892

<211> 14

<212> DNA

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<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 892
caacgcttcc tccg   14

<210> 893

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 893
ccgtcacgcc tccggagttt ggg   23

<210> 894

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 894
gttgtggagt gagtgttcaa gtatta   26

<210> 895

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 895
tttgcttgtc caggtggtcc ag   22

<210> 896

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 896
cccaaactcc ggaggcg   17

<210> 897

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 897
cggaagaagc agttggaggc gtgacggt   28

<210> 898

<211> 14

<212> DNA

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<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
       dye.

<400> 898
caacgcttcc tccg   14

<210> 899

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 899
cgccgagatc accggagttt ggg   23

<210> 900

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 900
gttgtggagt gagtgttcaa gtatta   26

<210> 901

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 901
tttgcttgtc caggtggtcc ag   22

<210> 902

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 902
ctagtggcct caaaccc   17

<210> 903

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 903
cggaagaagc agttggtgat ctcggcgg   28

<210> 904

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 904
caacgcttcc tccg   14

<210> 905

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 905
cgccgagatc acctttacat tttctatcgt   30

<210> 906

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 906
cgccgagatc acctttacat tttctatcgt   30

<210> 907

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 907
ccttccttat cctggatctt ggca   24

<210> 908

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 908
acgatagaaa atgtaaaggt gatc   24

<210> 909

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 909
cgcagtgaga atgaggtgat ctcggcggt   29

<210> 910

<211> 14

<212> DNA

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<220>

<223> Synthetic

<220>

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 910
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<210> 911

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 911
gtttcttttg tgtctccgca ctgcc   25

<210> 912

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 912
ccagcagtaa atgctccagt tgtaga   26

<210> 913

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 913
tagaacttga agtaggtgc   19

<210> 914

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 914
caaagaaaac acaggaggc   19

<210> 915

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 915
ccaggaagca agtggaggcg tgacggu   27

<210> 916

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 916
cactgcttcg tgg   13

<210> 917

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 917
aacgaggcgc acctgtgttt tctttg   26

<210> 918

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 918
ccagcagtaa atgctccagt tgtaga   26

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<210>  919

<211>  19

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  919
tagaacttga agtaggtgc                                                    19


<210>  920

<211>  19

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  920
caaagaaaac acaggtgcg                                                    19


<210>  921

<211>  27

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  921
ccaggaagca agtggtgcgc ctcgttt                                           27


<210>  922

<211>  13

<212>  DNA

<213>  Artificial Sequence
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<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 922
cactgcttcg tgg   13

<210> 923

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 923
ccgtcacgcc tcctccagtt gtag   24

<210> 924

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 924
aaaatcatct gtaaatccag cagtaaatga   30

<210> 925

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 925
ctgtgttttc tttgtagaac   20

<210> 926

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 926
ctacaactgg aggaggc   17

<210> 927

<211> 27

<212> DNA

<213> Artificial Sequence

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<400> 927
ccaggaagca agtggaggcg tgacggu   27

<210> 928

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 928
cactgcttcg tgg   13

<210> 929

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 929
aacgaggcgc acctccagtt gtag   24

<210> 930

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 930
aaaatcatct gtaaatccag cagtaaatga   30

<210> 931

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 931
ctgtgttttc tttgtagaac   20

<210> 932

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 932
ctacaactgg aggtgcg   17

<210> 933

<211> 27

<212> DNA

<213> Artificial Sequence

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<400> 933
ccaggaagca agtggtgcgc ctcgttt   27

<210> 934

<211> 13

<212> DNA

<213> Artificial Sequence

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<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 934
cactgcttcg tgg   13

<210> 935

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 935
ccgtcacgcc tcctgtgttt tctttgta   28

<210> 936

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 936
gtaaatccag cagtaaatgc tccagttgta ga   32

<210> 937

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 937
gaacttgaag taggtgcact gtt   23

<210> 938

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 938
tacaaagaaa acacaggagg cgt   23

<210> 939

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 939
ccaggaagca agtggaggcg tgacggu   27

<210> 940

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 940
cactgcttcg tgg   13

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<210>  941

<211>  28

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  941
aacgaggcgc acctgtgttt tctttgta                                          28


<210>  942

<211>  32

<212>  DNA

<213>  Artificial Sequence


<220>

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<400>  942
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<210>  943

<211>  23

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  943
gaacttgaag taggtgcact gtt                                               23


<210>  944

<211>  21

<212>  DNA

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<220>

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<400> 944
tacaaagaaa acacaggtgc g   21

<210> 945

<211> 27

<212> DNA

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<210> 946

<211> 13

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<220>

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 946
cactgcttcg tgg   13

<210> 947

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 947
ccgtcacgcc tcctccagtt gtaa   24

<210> 948

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 948
ccgtcacgcc tcctccagtt gtat   24

<210> 949

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 949
ccgtcacgcc tcctccagtt gtac   24

<210> 950

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 950
aaaatcatct gtaaatccag cagtaaatga   30

<210> 951

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 951
ctgtgttttc tttgtagaac   20

<210> 952

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 952
ctacaactgg aggaggc   17

<210> 953

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 953
ccaggaagca agtggaggcg tgacggu   27

<210> 954

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 954
cactgcttcg tgg   13

<210> 955

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 955
gccgtcacgc ctcccttctt gatg   24

<210> 956

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 956
ttctagacac tgaagatgtt tcagttctgt gga   33

<210> 957

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 957
catgcccaag aagggaggcg   20

<210> 958

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 958
cggaagaagc agttggaggc gtgacggc   28

<210> 959

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 959
caacgcttcc tccg   14

<210> 960

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 960
ccgtcacgcc tctaattcca ttcaaaatca tct   33

<210> 961

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 961
catcctggtg agtttgggat tcttgtaatt tata   34

<210> 962

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 962
gtaaatccag cagtaaatgc tccag   25

<210> 963

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 963
agatgatttt gaatggaatt agaggcg   27

<210> 964

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 964
cggaagaagc agttggaggc gtgacggc   28

<210> 965

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 965
caacgcttcc tccg   14

<210> 966

<211> 29

<212> DNA

<210> Artificial Sequence

<220>

<223> Synthetic

<400> 966
ccgccgagat cacctgtgtt ttctttgta   29

<210> 967

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 967
gtaaatccag cagtaaatgc tccagttgta ga   32

<210> 968

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 968
gaacttgaag taggtgcact gtt   23

<210> 969

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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<400>  969
gaacttgaag taggtgcact gtt                                                    23


<210>  970

<211>  23

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  970
gaacttgaag taggtgcact gtt                                                    23


<210>  971

<211>  23

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  971
gaacttgaag taggtgcact gtt                                                    23


<210>  972

<211>  23

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  972
tacaaagaaa acacaggtga tct                                                    23


<210>  973

<211>  28
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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 973
cggaggaagc agttggtgat ctcggcgg   28

<210> 974

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 974
caacgcttcc tccg   14

<210> 975

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 975
aacgaggcgc acccttcttg ggcatg   26

<210> 976

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 976
ttctagacac tgaagatgtt tcagttctgt gga   33

<210> 977

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 977
catgcccaag aagggtgcg   19

<210> 978

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 978
cggaagaagc agttggtgcg cctcgttaa   29

<210> 979

<211> 14

<212> DNA

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<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 979
caacgcttcc tccg   14

<210> 980

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 980
aacgaggcgc actaattcca ttcaaaatca tct   33

<210> 981

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 981
catcctggtg agtttgggat tcttgtaatt tata   34

<210> 982

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 982
gtaaatccag cagtaaatgc tccag   25

<210> 983

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 983
agatgatttt gaatggaatt agtggt   26

<210> 984

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 984
cggaagaagc agttggtgcg cctcgttaa   29

<210> 985

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

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<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
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<400>  985
caacgcttcc tccg                                                              14


<210>  986

<211>  30

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  986
cctgtctcgc tgccagttgt gttcttggag                                             30


<210>  987

<211>  22

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  987
ccctgcagaa ggtttccttc ta                                                     22


<210>  988

<211>  22

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic
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<400>  988
ccctgcagat ggtttccttc ta                                              22


<210>  989

<211>  22

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  989
ctccaagaac acaactggca gc                                              22


<210>  990

<211>  24

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  990
ctccaagaac acaactggca gcga                                            24


<210>  991

<211>  26

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  991
ctccaagaac acaactggca gcgaga                                          26


<210>  992

<211>  28
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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 992
cggaggaagc agttggcagc gagacagg   28

<210> 993

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 993
caacgcttcc tccg   14

<210> 994

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 994
aacgaggcgc accttggagg cagcaaa   27

<210> 995

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 995
aacgaggcgc accttggagg cagcaa   26

<210> 996

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 996
aaggtttcct tctcagttgt gtta   24

<210> 997

<211> 21

<212> DNA

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<220>

<223> Synthetic

<400> 997
ctttgctgcc tccaaggtgc g   21

<210> 998

<211> 29

<212> DNA

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<400> 998
cggaggaagc agttggtgcg cctcgttaa   29

<210> 999

<211> 14

<212> DNA

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<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 999
caacgcttcc tccg   14

<210> 1000

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1000
cagtcacgtc tctggaggca gcaaagatg   29

<210> 1001

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1001
aaggtttcct tctcagttgt gttcta   26

<210> 1002

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1002
catctttgct gcctccagag acg   23

<210> 1003

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1003
gctactgaga tgaaggagac gtgactgta   29

<210> 1004

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1004
cttctctcag tagc   14

<210> 1005

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1005
aacgaggcgc accttggagg cagcaaag   28

<210> 1006

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1006
aaggtttcct tctcagttgt gtta   24

<210> 1007

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1007
ctttgctgcc tccaaggtgc g   21

<210> 1008

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1008
cggaggaagc agttggtgcg cctcgttaa   29

<210> 1009

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1009
caacgcttcc tccg   14

<210> 1010

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1010
cgccgagatc acccctttag ttttacaaca gt   32

<210> 1011

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1011
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1012

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1012
actgttgtaa aactaaaggg ggtgatct   28

<210> 1013

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1013
cggaggaagc ggttggtgat ctcggcg   27

<210> 1014

<211>   14

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<220>

<221>   misc_feature

<222>   (4)..(4)

<223>   The residue at this position is linked to a spacer bearing a Cy3
         dye.

<400>   1014
caacgcttcc tccg   14

<210>   1015

<211>   35

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<400>   1015
tgccgccgag atcacccctt tagttttaca acagt   35

<210>   1016

<211>   29

<212>   DNA

<213>   Artificial Sequence

<220>

<223>   Synthetic

<400>   1016
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1017

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1017
actgttgtaa aactaaaggg ggtg   24

<210> 1018

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1018
actgttgtaa aactaaaggg ggtgat   26

<210> 1019

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1019
actgttgtaa aactaaaggg ggtgatct   28

<210> 1020

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1020
actgttgtaa aactaaaggg ggtgatctcg   30

<210> 1021

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1021
cggaggaagc ggttggtgat ctcggcggca   30

<210> 1022

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
       dye.

<400> 1022
caacgcttcc tccg   14

<210> 1023

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1023
gccgccgaga tcacccctttt agttttacaa cagt   34

<210> 1024

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1024
ccgccgagat caccccttta gttttacaac agt   33

<210> 1025

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1025
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1026

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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<400>  1026
actgttgtaa aactaaaggg ggtgat                                          26


<210>  1027

<211>  30

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  1027
cggaggaagc ggttggtgat ctcggcggca                                      30


<210>  1028

<211>  14

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  1028
caacgcttcc tccg                                                       14


<210>  1029

<211>  32

<212>  DNA

<213>  Artificial Sequence


<220>
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<223> Synthetic

<400> 1029
aacgaggcgc acccctttag ttttacaaca gt   32

<210> 1030

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1030
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1031

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1031
agtaactgtt gtaaaactaa aggggtgcg   29

<210> 1032

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1032
cggaggaagc agttggtgcg cctcgttaa   29

<210> 1033

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye.

<400> 1033
caacgcttcc tccg   14

<210> 1034

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1034
aacgaggcgc accccctttag ttttacaaca gt   32

<210> 1035

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1035
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1036

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1036
agtaactgtt gtaaaactaa aggggtgcg   29

<210> 1037

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1037
cggaggaagc agttggtgcg cctcgttaa   29

<210> 1038

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1038

caacgcttcc tccg   14

<210> 1039

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1039
ccgtcacgcc tcccctttag ttttacaac   29

<210> 1040

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

.
<400> 1040
gaattggcac tcaaatgtgt tgtcagaga   29

<210> 1041

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1041
agttactctg atattgctga tgaaattctc ag   32

<210> 1042

<211> 23

<212> DNA

<210> Artificial Sequence

<220>

<223> Synthetic

<400> 1042
gttgtaaaac taaaggggag gcg   23

<210> 1043

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1043
cggaagaagc agttggaggc gtgacggt   28

<210> 1044

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1044
caacgcttcc tccg   14

<210> 1045

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1045
cgccgagatc acccctttag ttttacaac   29

<210> 1046

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<210> 1047

<211> 32

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<210> 1048

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<210> 1049

<211> 28

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<210> 1050

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<222> (4)..(4)

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<210> 1053

<211> 32

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<210> 1054

<211> 23

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<210> 1055

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<400> 1055
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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<210> 1057

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ccgtcacgcc tcccctttag ttttacaa   28

<210> 1058

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<210> 1059

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<210> 1060

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<210> 1061

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<400> 1061
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<400> 1063
ccgtcacgcc tcccgttagc taagat   26

<210> 1064

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<400> 1064
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<210> 1065

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<210> 1066

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<400> 1066
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<210> 1067

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<211> 27

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<400> 1070
agaggtacaa acgaggtttt ccaaggc   27

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<400> 1071
agctaagatc cctggatcag atttagaga   29

<210> 1072

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<400> 1072
aacggaaaca actgaggcg   19

<210> 1073

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<223> The residue at this position is linked to a Z21 quenching group.

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<210> 1075

<211> 22

<212> DNA

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<223> Synthetic

<400> 1075
ccgtcacgcc tcccgttagc ta   22

<210> 1076

<211> 25

<212> DNA

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<223> Synthetic

<400> 1076
caaacgaggt tttccaagga gttga   25

<210> 1077

<211> 28

<212> DNA

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<400> 1077
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<400> 1078
tagctaacgg aaagaggcg   19

<210> 1079

<211> 27

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<400> 1079
ccaggaagca agtggaggcg tgacggu   27

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<220>

<223> Synthetic

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<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

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<210> 1081

<211> 19

<212> DNA

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<400> 1081
ccgtcacgcc tcccgttag   19

<210> 1082

<211> 29

<212> DNA

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<223> Synthetic

<400> 1082
agaggtacaa acgaggtttt ccaaggaga   29

<210> 1083

<211> 28

<212> DNA

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<400> 1083
ctaagatccc tggatcagat ttagagag   28

<210> 1084

<211> 19

<212> DNA

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<223> Synthetic

<400> 1084
ctaacggaaa caagaggcg   19

<210> 1085

<211> 27

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<400> 1085
ccaggaagca agtggaggcg tgacggu   27

<210> 1086

<211> 13

<212> DNA

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<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 1086
cactgcttcg tgg   13

<210> 1087

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1087
aacgaggcgc accttaccaa tgcctaagaa aagagtt   37

<210> 1088

<211> 36

<212> DNA

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<400> 1088
tgcattattt ttctgtcact ctcctctttc caatta   36

<210> 1089

<211> 30

<212> DNA

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<400> 1089
aactcttttc ttaggcattt tgaaggtgcg   30

<210> 1090

<211> 29

<212> DNA

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<223> Synthetic

<400> 1090
cggaggaagc agttggtgcg cctcgttaa   29

<210> 1091

<211> 14

<212> DNA

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<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1091
caacgcttcc tccg   14

<210> 1092

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1092
cagtcacgtc tctcttcaaa atgcctaaga aaagagt   37

<210> 1093

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1093
tctgcattat ttttctgtca ctctcctctt tccaata   37

<210> 1094

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1094
actcttttct taggcatttt gaagagagac g   31

<210> 1095

<211> 29

<212> DNA

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<220>

<223> Synthetic

<400> 1095
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<210> 1096

<211> 14

<212> DNA

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<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1096
cttctctcag tagc   14

<210> 1097

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1097
aacgaggcgc acccttttgc cagttcc   27

<210> 1098

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1098

gctctgcagg attttcatgt caccata   27

<210> 1099

<211> 22

<212> DNA

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<220>

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<400> 1099
gaggaactgg caaaagggtg cg   22

<210> 1100

<211> 29

<212> DNA

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<223> Synthetic

<400> 1100
gctactgaga tgaaggagac gtgactgta   29

<210> 1101

<211> 14

<212> DNA

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<210>  1102

<211>  24

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  1102
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<210>  1103

<211>  27

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<223>  Synthetic

<400>  1103
gctctgcagg attttcatgt caccata                                      27


<210>  1104

<211>  26

<212>  DNA

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<223>  Synthetic

<400>  1104
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<210>  1105

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<212> DNA

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<223> Synthetic

<400> 1105
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<210> 1106

<211> 30

<212> DNA

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<400> 1106
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<210> 1107

<211> 30

<212> DNA

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<400> 1107
cggaagaaag cagttggtgc gcctcguuaa   30

<210> 1108

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<400> 1108
caacgcttcc tccg   14

<210> 1109

<211> 23

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<400> 1109
gccgcacgcc gccttttgcc agt   23

<210> 1110

<211> 27

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<400> 1110
gctctgcagg attttcatgt caccata   27

<210> 1111

<211> 26

<212> DNA

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<400> 1111
tcctccagat atccaagaag agactc   26

<210> 1112

<211> 17

<212> DNA

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<400> 1112
actggcaaaa ggcgggc   17

<210> 1113

<211> 27

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<400> 1113
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<223> The residue at this position is linked to a spacer bearing a Cy3
       dye.

<400> 1114
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<210> 1115

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<400> 1115
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<210> 1116

<211> 27

<212> DNA

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<220>

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<400> 1116
gctctgcagg attttcatgt caccata   27

<210> 1117

<211> 24

<212> DNA

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<400> 1117

ctccagatat ccaagaagag actc   24

<210> 1118

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<400> 1118
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<210> 1119

<211> 29

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<400> 1119
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<210> 1120

<211> 14

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1120
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<210> 1121

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<223> Synthetic

<400> 1121
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<210> 1122

<211> 30

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<223> Synthetic

<400> 1122
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<210> 1123

<211> 35

<212> DNA

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<223> Synthetic

<400> 1123
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<210> 1124

<211> 24

<212> DNA

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<223> Synthetic

<400> 1124
tggtgcagtt ttgccaagga ggcg   24

<210> 1125

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<400> 1125
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<210> 1126

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<210> 1129

<211> 32

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<400> 1129
ccgtcacgcc tccatcttca ctgattcttg ga   32

<210> 1130

<211> 35

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<400> 1130
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<210> 1131

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<400> 1131
gataccacag agaatgaatt tt   22

<210> 1132

<211> 26

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<400> 1132
tccaagaatc agtgaagatg gaggcg   26

<210> 1133

<211> 28

<212> DNA

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<400> 1133
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<210> 1134

<211> 21

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<223> Synthetic

<400> 1134
gaatcagtga agatggaggc g   21

<210> 1135

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<400> 1135
cggaagaagc agttggaggc gtgacggc   28

<210> 1136

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1136

caacgcttcc tccg   14

<210> 1137

<211> 27

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<400> 1137
ccgtcacgcc cttggctcaa ttttgct   27

<210> 1138

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<400> 1138
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<210> 1139

<211> 32

<212> DNA

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<400> 1139
cctgaaatta aagttcggat attctcttgg ca   32

<210> 1140

<211> 32

<212> DNA

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<223> Synthetic

<400> 1140
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<210> 1141

<211> 24

<212> DNA

<213> Artificial Sequence

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<400> 1141
agcaaaattg agccaaggga ggcg   24

<210> 1142

<211> 26

<212> DNA

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<400> 1142
agcaaaattg agccaaggga ggcgtg   26

<210> 1143

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<212> DNA

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<400> 1143
cggaagaagc agttggaggc gtgacggc   28

<210> 1144

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<400> 1144
caacgcttcc tccg   14

<210> 1145

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1145
ccgtcacgcc tccatcttca ctgattcttg   30

<210> 1146

<211> 47

<212> DNA

<213> Artificial Sequence

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<400> 1146
ttctagcaaa cccattcaat tcctgaaatt aaagttcgga tattcta   47

<210> 1147

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1147
cccattcaat tcctgaaatt aaagttcgga tattcta   37

<210> 1148

<211> 37

<212> DNA

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<223> Synthetic

<400> 1148
cccattcaat tcctgaaatt aaagttcgga tattcta   37

<210> 1149

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1149
ccaagggcca aggaggcgt   19

<210> 1150

<211> 28

<212> DNA

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<223> Synthetic

<400> 1150
cggaagaagc agttggaggc gtgacggc   28

<210> 1151

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<212> DNA

<213> Artificial Sequence

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1151
caacgcttcc tccg   14

<210> 1152

<211> 27

<212> DNA

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<220>

<223> Synthetic

<400> 1152
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<210> 1153

<211> 35

<212> DNA

<213> Artificial Sequence

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<400> 1153
agtgttgaag tagatttgct tgaagtttca ctgga   35

<210> 1154

<211> 23

<212> DNA

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<400> 1154
ttggatacca cagagaatga att   23

<210> 1155

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cggaagaagc agttggaggc gtgacggt   28

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<222> (4)..(4)

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<400> 1156
caacgcttcc tccg   14

<210> 1157

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<210> 1158

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<400> 1158
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<210> 1159

<211> 24

<212> DNA

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<211> 35

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<210> 1164

<211> 27

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<211> 28

<212> DNA

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<223> The residue at this position is linked to a spacer bearing a Cy3
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<222> (4)..(4)

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

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<210> 1174

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 1174
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<210> 1175

<211> 14

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1175
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<210> 1176

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<400> 1176
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<210> 1177

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<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1177
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<210> 1178

<211> 27

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<400> 1180
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<223>  The residue at this position is linked to a spacer bearing a Cy3
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<210>  1184

<211>  29

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<223> Synthetic

<400> 1184
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<210> 1185

<211> 14

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<400> 1185
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<210> 1186

<211> 27

<212> DNA

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<400> 1186
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<210> 1187

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<400> 1187
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<210> 1188

<211> 24

<212> DNA

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<220>

<223> Synthetic

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aggagccact ccattggatg aagc   24

<210> 1189

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<212> DNA

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<400> 1190
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<400> 1191
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<210> 1192

<211> 27

<212> DNA

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<220>

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<400> 1192
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<400> 1193
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<210> 1194

<211> 32

<212> DNA

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<210> 1195

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<210> 1196

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<400> 1196
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<400> 1198
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<210> 1199

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<210> 1201

<211> 31

<212> DNA

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<400> 1201
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<210> 1202

<211> 24

<212> DNA

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<220>

<223> Synthetic

<400> 1202
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<210> 1203

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1203
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<210> 1204

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<212> DNA

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<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1204
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<212> DNA

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<210> 1206

<211> 23

<212> DNA

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<400> 1206
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<210> 1207

<211> 32

<212> DNA

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<210> 1214

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<212> DNA

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<210> 1215

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<210> 1216

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<220>

<223> Synthetic

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<210> 1218

<211> 27

<212> DNA

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<211> 20

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<210> 1222

<211> 20

<212> DNA

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<400> 1222
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<210> 1223

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<210> 1224

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<212> DNA

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<400> 1225
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<210> 1226

<211> 25

<212> DNA

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<400> 1226
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<210> 1227

<211> 21

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<400> 1227
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<210> 1228

<211> 20

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<400> 1228
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<210> 1229

<211> 20

<212> DNA

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<210> 1230

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<212> DNA

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<210> 1231

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<400> 1231
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<210> 1232

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<400> 1232
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<210> 1233

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<210> 1234

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<400> 1234
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<210> 1235

<211> 14

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<220>

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<400> 1235
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<210> 1236

<211> 28

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<400> 1236
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<210> 1237

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<400> 1237
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<210> 1238

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<210> 1239

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<212> DNA

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<211> 19

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<400> 1240
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<210> 1241

<211> 23

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<400> 1241
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<210> 1242

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<210> 1243

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<210> 1244

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<400> 1244
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<210> 1245

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<210> 1246

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<212> DNA

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<400> 1246
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<210> 1248

<211> 28

<212> DNA

<213> Artificial Sequence

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<210> 1249

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<400> 1249
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<210> 1250

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<400> 1250
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<210> 1251

<211> 31

<212> DNA

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<223> Synthetic

<400> 1251
aatgggtttt tctggttgaa gaagtccttg a   31

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<212>  DNA

<213>  Artificial Sequence


<220>

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<400>  1252
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<210>  1253

<211>  21

<212>  DNA

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<220>

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<400>  1253
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<210>  1254

<211>  31

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  1254
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<210>  1255

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<220>

<223> Synthetic

<400> 1255
gggatctgtg tttctttaca aggt   24

<210> 1256

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1256
aacgaggcgc accgtgtcta atttcaag   28

<210> 1257

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1257
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<210> 1258

<211> 27

<212> DNA

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<400> 1258
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<210> 1259

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1259
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<210> 1260

<211> 30

<212> DNA

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<220>

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<400> 1260
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<210> 1261

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1261
cccttgaaat tagacacggt gcg   23

<210> 1262

<211> 31

<212> DNA

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<223> Synthetic

<400> 1262
aatgggtttt tctggttgaa gaagtccttg a   31

<210> 1263   .

<211> 14

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<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<210> 1264

<211> 29   ´

<212> DNA

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<220>   .

<223> Synthetic

<400> 1264
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<210> 1265

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<400> 1265
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<210> 1266

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<223> Synthetic

<400> 1266
ccttgaaatt agacacggtg cgc   23

<210> 1267

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<400> 1267
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<210> 1268

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<400>  1268
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<210>  1269

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<212>  DNA

<213>  Artificial Sequence



<220>

<223>  Synthetic

<400>  1269
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<210>  1270

<211>  27

<212>  DNA

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<220>

<223>  Synthetic

<400>  1270
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<210>  1271

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<213>  Artificial Sequence



<220>

<223>  Synthetic

<400>  1271
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<210>  1272

<211>  31
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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1272
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<210> 1273

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1273
ggggatctgt gtttctttac aagg   24

<210> 1274

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1274
aacgaggcgc accgtgtcta atttca   26

<210> 1275

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

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ccaaacaaag gcgaggcg   18

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<210> 1703

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<400> 1706
ggttcgaatt ccatgtcatc   20

<210> 1707

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<400> 1707
aacgaggcgc acgctcctgg aagatg   26

<210> 1708

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<400> 1708
catcttccag gagcgtgcgc c   21

<210> 1709

<211> 23

<212> DNA

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<400> 1709
cacttgattt tggagggatc tca   23

<210> 1710

<211> 14

<212> DNA

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<223> Synthetic

<220>

<221> modified_base

<222> (13)..(13)

<223> The modified nucleotide at this position is biotinylated thymidin
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<210> 1711

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<220>

<221> modified_base

<222> (15)..(15)

<223> The modified nucleotide at this position is biotinylated thymidin
       e.

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aaaagaggct ccgctc                                                    16


<210>  1712

<211>  16

<212>  DNA

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<223>  Synthetic

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<222>  (15)..(15)

<223>  The modified nucleotide at this position is biotinylated thymidin
       e.


<400>  1712
aaaatgtacg ccgctc                                                    16


<210>  1713

<211>  19

<212>  DNA

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<223>  Synthetic

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<221>  modified_base

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<223>  The modified nucleotide at this position is biotinylated thymidin
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<210> 1714

<211> 20

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<221> modified_base

<222> (19)..(19)

<223> The modified nucleotide at this position is biotinylated thymidin
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<400> 1714
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<210> 1715

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<210> 1718

<211> 29

<212> DNA

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<210> 1719

<211> 29

<212> DNA

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<210> 1720

<211> 29

<212> DNA

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<223> Synthetic

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<210> 1721

<211> 29

<212> DNA

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<210> 1722

<211> 29

<212> DNA

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<400> 1722
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<210> 1723

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<210> 1724

<211> 28

<212> DNA

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<400> 1724
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<210> 1725

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<210> 1726

<211> 28

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<210> 1728

<211> 28

<212> DNA

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<210> 1729

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<400> 1729
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<210> 1730

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<211>  12

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
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caacgcttcc tc                                                      12


<210>  1731

<211>  13

<212>  DNA

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<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  1731
caacgcttcc tcc                                                     13


<210>  1732

<211>  14

<212>  DNA
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<213> Artificial Sequence

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<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye.

<400> 1732
caacgcttcc tccg   14

<210> 1733

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye.

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caacgcttcc tccguu   16

<210> 1734

<211> 18

<212> DNA

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<223> Synthetic

<400> 1734
caacgcttcc tccguuuu   18

<210> 1735

<211> 14

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1735
caacgcttcc tccg   14

<210> 1736

<211> 31

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<222> (30)..(30)

<223> The residue at this position is attached to a C18 linker.

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<221> modified_base

<222> (31)..(31)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1736
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<210> 1737

<211> 31

<212> DNA

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<222> (30)..(30)

<223> The residue at this position is linked to a C18 linker.

<220>

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<222> (31)..(31)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1737
cgaaattaat acgccttctt gggcatgtac c   31

<210> 1738

<211> 23

<212> DNA

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<222> (23)..(23)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1738
ctgaagatgt ttcagttctg tgc   23

<210> 1739

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<223> Synthetic

<400> 1739
gaagatgttt cagttctgtg gc   22

<210> 1740

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<212> DNA

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<400> 1740
tcacttccta ccttcttggg catgtaa   27

<210> 1741

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tcacttccta ccttcttggg catgtaaaac   30

<210> 1742

<211> 28

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<222> (27)..(27)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28)..(28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1742
tcacttccta ccttcttggg catgtaac   28

<210> 1743

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<222>  (22)..(22)

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<400>  1743
gaagatgttt cagttctgtg gc                                            22


<210>  1744

<211>  27

<212>  DNA

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<223>  Synthetic

<400>  1744
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<210>  1745

<211>  28

<212>  DNA

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<223>  Synthetic

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<221>  misc_feature

<222>  (27)..(27)

<223>  The residue at this position is attached to a C18 linker.


<220>

<221>  modified_base

<222>  (28)..(28)

<223>  The modified nucleotide at this position is dideoxy cytosine.
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<400> 1745
acttcctact taattccatt caaaatcc   28

<210> 1746

<211> 24

<212> DNA

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<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1746
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<210> 1747

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<212> DNA

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<400> 1747
cgtgttctgt ggcgtatctt aattccattc aaaatc   36

<210> 1748

<211> 36

<212> DNA

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<400> 1748
cgtgttctgt ggcgtatctt aattccattc aaaatc   36

<210> 1749

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1749
gagtttggga ttcttgtaat tatc   24

<210> 1750

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1750
cgtgttctgt ggcgtatctt aattccattc aaaatcatct g   41

<210> 1751

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1751
cgtgttctgt ggcgtatctt aattccattc aaaatcatct g   41

<210> 1752

<211> 39

<212> DNA

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<223> Synthetic

<400> 1752
cgtgttctgt ggcgtatctt aattccattc aaaatcatc   39

<210> 1753

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<212> DNA

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<400> 1753
cgtgttctgt ggcgtatctt aattccattc aaaatcatc   39

<210> 1754

<211> 24

<212> DNA

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<223> Synthetic

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<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1754
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<210> 1755

<211> 25

<212> DNA

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<223> Synthetic

<400> 1755
ttcctactct tgatcttcat tgtgc   25

<210> 1756

<211> 21

<212> DNA

<213> Artificial Sequence

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<400> 1756
ctcaggagga gcaatgatct t   21

<210> 1757

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1757
ctcaggagga gcaatgat   18

<210> 1758

<211> 29

<212> DNA

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<222> (28)..(28)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (29)..(29)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1758
tcacttccta ctctgggtca tcttctcgc   29

<210> 1759

<211> 29

<212> DNA

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<223> Synthetic

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<221> misc_feature

<222> (28)..(28)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28)..(28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1759
tcacttccta ctctgggtca tcttctcgc   29

<210> 1760

<211> 24

<212> DNA

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<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1760
gtgttgaagg tctcaaacat gatc   24

<210> 1761

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1761
gggtgttgaa ggtctcaaac atgatc   26

<210> 1762

<211> 33

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1762
cgtgttctgt ggcgtatctg ggtcatcttc tcg   33

<210> 1763

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1763
cgtgttctgt ggcgtatctg ggtcatcttc tcg   33

<210> 1764

<211> 26

<212> DNA

<213> Artificial Sequence

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<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1764
gggtgttgaa ggtctcaaac atgatc   26

<210> 1765

<211> 28

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<213> Artificial Sequence

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<223> Synthetic

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ttcatacggt tggtagttga ggtcaatg   28

<210> 1766

<211> 28

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<213> Artificial Sequence

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<223> Synthetic

<400> 1766
ttcatacggt tggtagttga ggtcaatg   28

<210> 1767

<211> 28

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<223> Synthetic

<400> 1767
ggaatcatat tggaacatgt aaaccatc   28

<210> 1768

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1768
ttcatacggt tggctcctgg aagatg   26

<210> 1769

<211> 26

<212> DNA

<213> Artificial Sequence

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<400> 1769
ttcatacggt tggctcctgg aagatg   26

<210> 1770

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<223> Synthetic

<400> 1770
cacttgattt tggagggatc tca   23

<210> 1771

<211> 28

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<400> 1771
ttcatacggt tggtagttga ggtcaatg   28

<210> 1772

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<213> Artificial Sequence

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<223> Synthetic

<400> 1772
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<210> 1773

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<400> 1773
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<210> 1774

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1774
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<210> 1775

<211> 25

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<223> Synthetic

<400> 1775
ggagtcatac tggaacatgt agacc   25

<210> 1776

<211> 19

<212> DNA

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<220>

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<400> 1776
tggcgtatca tgtagttga   19

<210> 1777

<211> 23

<212> DNA

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<220>

<223> Synthetic

<400> 1777
agtcatactg gaacatgtag aca   23

<210> 1778

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1778
ggagtcatac tggaacatgt agaca   25

<210> 1779

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1779
tggcgtatct cttttctcat t   21

<210> 1780

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1780
tggcgtatct cttttctcat t   21

<210> 1781

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1781
acaatcagaa ttgccattgc acaaca   26

<210> 1782

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1782
gaaggcagag gaccgtgagg c   21

<210> 1783

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1783
gaaggcagag gaccgtgagg c   21

<210> 1784

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1784
aagacatctg gtgttgtagt ga   22

<210> 1785

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1785
tggcgtatct ccccagagaa agc   23

<210> 1786

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1786
tggcgtatct ccccagagaa agc   23

<210> 1787

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1787
cactgagccg atgaagcgat ggtaa   25

<210> 1788

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1788
tggcgtatct agggctccaa gag   23

<210> 1789

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1789
tggcgtatct agggctccaa gag   23

<210> 1790

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1790
gtgttcaggt tttggaggcg gataa   25

<210> 1791

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1791
tggcgtatct agggctccaa g   21

<210> 1792

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1792
tggcgtatct agggctccaa g   21

<210> 1793

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1793
gtgttcaggt tttggaggcg gataa   25

<210> 1794

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1794
attctctcag a   11

<210> 1795

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye.

<400> 1795
attctctcag ac   12

<210> 1796

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
dye.

<400> 1796
attctctcag act   13

<210> 1797

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1797
cagtctgaga tgaatgatac gccagg   26

<210> 1798

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1798
cttggagccc tagata   16

<210> 1799

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1799
cttggagccc tagat   15

<210> 1800

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1800
cttggagccc taga   14

<210> 1801

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1801
ctggcgtatc tagggctcca   20

<210> 1802

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1802
cctggcgtat ctagggctcc a   21

<210> 1803

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1803
gtgttcaggt tttggaggcg gataa   25

<210> 1804

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1804
cagtctgaga tgaatgatac gccagg   26

<210> 1805

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1805
cttggagccc tagat   15

<210> 1806

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1806
ctctctcgtc tctagggctc ca   22

<210> 1807

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1807
ctctctcgtc tctagggctc ca   22

<210> 1808

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1808
gtgttcaggt tttggaggcg gataa   25

<210> 1809

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1809
cagtctgaga tgaatgagac gagagagt   28

<210> 1810

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1810
cttggagccc tagag   15

<210> 1811

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1811
tggcgtatct agggctcca   19

<210> 1812

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1812
tggcgtatct agggctcca   19

<210> 1813

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1813
gtgttcaggt tttggaggcg gataa   25

<210> 1814

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1814
tggcgtatct ccccagagaa a   21

<210> 1815

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1815
tggcgtatct ccccagaga   19

<210> 1816

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1816
cactgagccg atgaagcgat ggtaa   .   25

<210> 1817

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1817
tggcgtatct atagggctc   19

<210> 1818

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1818
gtgtgttcag gttttggagg cggaa   25

<210> 1819

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1819
ctctctcgtc tcttcaggtt ttg   23

<210> 1820

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1820
ggcagctctc aggtcaggtg tga   23

<210> 1821

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1821
aggcagctct caggtcaggt gtga   24

<210> 1822

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1822
cagtctgaga tgaatgagac gagagagt   28

<210> 1823

<211> 12

<212> DNA

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<223> Synthetic

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
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<400> 1823
attctctcag ac   12

<210> 1824

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1824

caaaacctga agaga   15

<210> 1825

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1825
caaaacctga agagac   16

<210> 1826

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1826
caaaacctga agagacg   17

<210> 1827

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1827
ctctctcgtc tcttcaggtt ttg   23

<210> 1828

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1828
ctctctcgtc tcttcaggtt ttg   23

<210> 1829

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1829
ggcagctctc aggtcaggtg tga   23

<210> 1830

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1830
gaggcggata tagggct   17

<210> 1831

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1831
ctctctcgtc ttctaaggac tta   23

<210> 1832

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1832
ctctctcgtc ttctaaggac ttac   24

<210> 1833

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1833
gaaacaggag tgcaaggacc agaca   25

<210> 1834

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1834
tcacgtctct tcaggttttg   20

<210> 1835

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1835
gtcacgtctc ttcaggtttt g   21

<210> 1836

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1836
agtcacgtct cttcaggttt tg   22

<210> 1837

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1837
cagtcacgtc tcttcaggtt ttg   23

<210> 1838

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1838
aggcagctct caggtcaggt gtga   24

<210> 1839

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1839
caacgcttcc tccg   14

<210> 1840

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1840
cggaggaagc agttggagac gtgactgtgg   30

<210> 1841

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1841
cggaagaagc agttggagac gtgactgtgg   30

<210> 1842

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1842
cggacgaagc agttggagac gtgactgtgg   30

<210> 1843

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1843
caacgcttcc tccg   14

<210> 1844

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1844
cggaagaagc agttggtgcg cctcgttaa   29

<210> 1845

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 1845
caacgcttcc tccg   14

<210> 1846

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1846
cggaagaagc agttggaggc gtgacggt   28

<210> 1847

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1847
aacgaggcgc acgatgtcca tcga   24

<210> 1848

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1848
ttcttggtgt tcttttactt tctc   24

<210> 1849

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1849
gcaatcaata aagtcccgag ggttgttc   28

<210> 1850

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1850
tcgatggaca tcgtgcgc   18

<210> 1851

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1851
ccgtcacgcc tctcacccat ct   22

<210> 1852

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1852
ctggtcgccg cacct   15

<210> 1853

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1853
tgtagggcat gtgagcctgg a   21

<210> 1854

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1854
agatgggaga gaggcg   16

<210> 1855

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1855
ccgtcacgcc tcgaagccct gt   22

<210> 1856

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1856
acttcgatgt cacgggatgt catatgg   27

<210> 1857

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1857
gagtgtcgtt cccttaggga tgcgc   25

<210> 1858

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1858
acagggcttc gaggcg   16

<210> 1859

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1859
ccgtcacgcc tccctgctga gaaag   25

<210> 1860

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1860
gcaggaaggc ctccg   15

<210> 1861

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1861
cccgaggcat gcacggcgga   20

<210> 1862

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1862
ctttctcagc agggaggcg   19

<210> 1863

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1863
ccgtcacgcc tccctgctga gaaa   24

<210> 1864

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1864
ccgtcacgcc tccctgctga gaaa   24

<210> 1865

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1865
ccgtcacgcc tccctgctga gaaa   24

<210> 1866

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1866
cccgaggcat gcacggcgga   20

<210> 1867

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1867
ggcaggaagg cctcc   15

<210> 1868

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1868
tttctcagca gggaggcg   18

<210> 1869

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1869
ccgtcacgcc tccctgctga ga   22

<210> 1870

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1870
aaggcaggaa ggcctcc   17

<210> 1871

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1871
tctcagcagg gaggcg   16

<210> 1872

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1872
ccgtcacgcc tccctgctga gaa   23

<210> 1873

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1873
aggcaggaag gcctgg   16

<210> 1874

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1874
ttctcagcag ggaggcg   17

<210> 1875

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1875
ccgtcacgcc tccctgctga gaaag   25

<210> 1876

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1876
gcaggaaggc ctccg   15

<210> 1877

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1877
ctttctcagc agggaggcg   19

<210> 1878

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1878
aacgaggcgc accaccatat ccc   23

<210> 1879

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1879
ccagcggttt ccattggcaa agatcaa   27

<210> 1880

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1880
cggaagaatg ggtcgaccat g   21

<210> 1881

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1881
gggatatggt ggtgcgc   17

<210> 1882

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1882
ccgtcacgcc tccaccatat ccc   23

<210> 1883

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1883
ccgtcacgcc tccaccatat ccc   23

<210> 1884

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1884
ccgtcacgcc tccaccatat ccc   23

<210> 1885

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1885
gggatatggt ggaggcg   17

<210> 1886

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1886
aacgaggcgc accagagctg atgag   25

<210> 1887

<211> 29

<212> DNA

<213> Artificial Sequence

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<400> 2154
ggccctaaac agatgagagg cgt   23

<210> 2155

<211> 25

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<400> 2155
ggccctaaac agatgagagg cgtga   25

<210> 2156

<211> 21

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<400> 2156
caggtcctgg aaggagcact a   21

<210> 2157

<211> 30

<212> DNA

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<400> 2157
gccgtcacgc ctctctcctc attgaatcct   30

<210> 2158

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<400> 2158
aggattcaat gaggagagag gcgtga   26

<210> 2159

<211> 24

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<400> 2159
aggattcaat gaggagagag gcgt   24

<210> 2160

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<400> 2160
ccgtcacgcc tctctcctca ttgaatcct   29

<210> 2161

<211> 23

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<400> 2161
aggattcaat gaggagagag gcg   23

<210> 2162

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

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<400> 2162
gccgtcacgc ctctctcctc attgaatcc   29

<210> 2163

<211> 25

<212> DNA

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<400> 2163
ggattcaatg aggagagagg cgtga   25

<210> 2164

<211> 23

<212> DNA

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<400> 2164
ggattcaatg aggagagagg cgt   23

<210> 2165

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2165
ccgtcacgcc tctctcctca ttgaatcc   28

<210> 2166

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2166
ggattcaatg aggagagagg cg   22

<210> 2167

<211> 27

<212> DNA

<213> Artificial Sequence

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<400> 2167
ccgtcacgcc tctctcctca ttgaatc   27

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<211> 21

<212> DNA

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<223> Synthetic

<400> 2168
gattcaatga ggagagaggc g   21

<210> 2169

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2169
ccgccgagat cactctcctc attgaatc   28

<210> 2170

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 2170
gattcaatga ggagagtgat ctc   23

<210> 2171

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2171
ccaaaagtcc agtgatgatt ttcaccaggc aaga   34

<210> 2172

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 2172
cggaggaagc agttggtgcg cctcgttaa   29

<210> 2173

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 2173
caacgcttcc tccg   14

<210> 2174

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2174
ccaggaagca agtggtgcgc ctcgttt   27

<210> 2175

<211> 13

<212> DNA

<210> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2175
cactgcttcg tgg   13

<210> 2176

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2176
cggaagaagc agttggaggc gtgacggt   28

<210> 2177

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

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<400>  2177
caacgcttcc tccg                                                      14


<210>  2178

<211>  28

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<400>  2178
cggaagaagc agttggaggc gtgacggc                                       28


<210>  2179

<211>  14

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  2179
caacgcttcc tccg                                                      14


<210>  2180

<211>  27

<212>  DNA

<213>  Artificial Sequence
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<220>

<223> Synthetic

<400> 2180
ccaggaagca agtggaggcg tgacggu   27

<210> 2181

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2181
cactgcttcg tgg   13

<210> 2182

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2182
cggaggaagc agttggtgat ctcggcgg   28

<210> 2183

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2183
caacgcttcc tccg   14

<210> 2184

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2184
cggaagaagc agttggtgat ctcggcgg   28

<210> 2185

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2185
caacgcttcc tccg   14

<210> 2186

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2186
gctactgaga tgaaggagac gtgactgta   29

<210> 2187

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 2187
cttctctcag tagc   14

<210> 2188

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2188
ccgaggaagc ggttgcgtac gactggttaa   30

<210> 2189

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 2189
caacgcttcc tccg   14

<210> 2190

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2190
cggaggaagc ggttggtgcg ggtggttgg   29

<210> 2191

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
        dye.

<400> 2191
caacgcttcc tccg   14

<210> 2192

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3
        dye.

<400> 2192
caacgcttcc tccg   14

<210> 2193

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2193
attctctcag ac   12

<210> 2194

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2194
taacgcttcc tccg   14

<210> 2195

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Dabcyl quencher.

<400> 2195
caatgcttcc tccg   14

<210> 2196

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2196
ctcttctcag tgcg   14

<210> 2197

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

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<400>  2197
cactgcttcg tgg                                                          13


<210>  2198

<211>  13

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (3)..(3)

<223>  The residue at this position is linked to a Z28 quenching group.


<400>  2198
cactgcttcg tgg                                                          13


<210>  2199

<211>  12

<212>  DNA

<213>  Artificial Sequence


<220>

<223>  Synthetic

<220>

<221>  misc_feature

<222>  (4)..(4)

<223>  The residue at this position is linked to a spacer bearing a Cy3
       dye.


<400>  2199
cttctctcag ac                                                          12


<210>  2200
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<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 2200
cggaggaagc agttggaggc gtgacggt   28

<210> 2201

<211> 29

<212> DNA

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<220>

<223> Synthetic

<400> 2201
cggaggaagc agttgtggcg gtgacggtt   29

<210> 2202

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2202
cagtctgaga tgaatgagac gagagagt   28

<210> 2203

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2203
cggaggaagc ggttagtctg tcacgtcat   29

<210> 2204

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2204
cggaggaagc ggttagtctg ccacgtcat   29

<210> 2205

<211> 29

<212> DNA

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<220>

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<400> 2205
cggaagaagc agttggtgcg cctcgttaa   29

<210> 2206

<211> 29

<212> DNA

<213> Artificial Sequence

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<400> 2206
cggaggaagc agttggtgcg cctcgttaa   29

<210> 2207

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2207
cggaggaagc agttgcggcg tgcggct   27

<210> 2208

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2208
gcgcagtgag aatgaggagg cgtgacggu   29

<210> 2209

<211> 27

<212> DNA

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<220>

<223> Synthetic

<400> 2209
ccaggaagca agtggtgcgc ctcguuu   27

<210> 2210

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 2210
cagtctgaga tgaatgatac gccagg   26

<210> 2211

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 2211
agtctgagat gaaggagacg tgactgtgg   29

<210> 2212

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2212
cggaggaagc ggttggtgat ctcggcg   27

<210> 2213

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2213
tctgtggcgt atccttcttg ggcatgtaa   29

<210> 2214

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2214
gtggcgtatc cttcttgggc atgtaa   26

<210> 2215

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2215
gcgtatcctt cttgggcatg taa   23

<210> 2216

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is a dideoxy cytosine.

<400> 2216
gaagatgttt cagttctgtg gc   22

<210> 2217

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (23)..(23)

<223> The modified nucleotide at this position is biotinylated deoxyade
nosine.

<400> 2217
aaaagatacg ccacagaaca cgatt   25

<210> 2218

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2218
tggcgtatct taattccatt caaaat   26

<210> 2219

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

- 1423 -

<400> 2219
tgggagtttg ggattcttgt aattaa   26

<210> 2220

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2220
aaaagatacg ccacagctc   19

<210> 2221

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2221
tggcgtatct aattattaat tccattc   27

<210> 2222

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

- 1424 -

<223> Synthetic

<400> 2222
atcctggtga gtttgggatt cttga   25

<210> 2223

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
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<400> 2223
aaaagatacg ccacagctc   19

<210> 2224

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2224
tggcgtatct tccattcaaa atcatc   26

<210> 2225

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2225
gtttgggatt cttgtaatta ttaaa   25

<210> 2226

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2226
aaaagatacg ccacagctc   19

<210> 2227

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2227
gtggcgtatc cttcttgggc at   22

<210> 2228

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2228
gaagatgttt cagttctgtg gc   22

<210> 2229

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

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<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2229
aaaagatacg ccacagctc   19

<210> 2230

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2230
tggcgtatct ctgggtcatc ttc   23

<210> 2231

<211> 25

<212> DNA

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<400> 2231
gggtgttgaa ggtctcaaac atgaa   25

<210> 2232

<211> 19

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<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
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<400> 2232
aaaagatacg ccacagctc   19

<210> 2233

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2233
tggcgtatct cttgatcttc attgt   25

<210> 2234

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2234
acttgcgctc aggaggagca atgaa   25

<210> 2235

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2235
aaaagatacg ccacagctc   19

<210> 2236

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2236
tggcgtatct gatctgggtc atct   24

<210> 2237

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2237
tggctggggt gttgaaggtc tcaaacaa   28

<210> 2238

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2238
aaaagatacg ccacagctc   19

<210> 2239

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2239
acccgtatct gcccaggaag ga   22

<210> 2240

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2240
agtttcgtgg atgccacagg agaccaa   27

<210> 2241

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2241
agtttcgtgg atgctacagg agaccaa   27

<210> 2242

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2242
aaaagatacg ccacagctc   19

<210> 2243

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2243
tggcgtatct ctcaaacatg atct   24

<210> 2244

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2244
acgtacatgg ctggggtgtt gaagga   26

<210> 2245

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2245
aaaagatacg ccacagctc   19

<210> 2246

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2246
tggcgtatct gatctgggtc atc   23

<210> 2247

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 2247
tggctggggt gttgaaggtc tcaaacaa   28

<210> 2248

<211> 19

<212> DNA

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<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythy
      midine.

<400> 2248
aaaagatacg ccacagctc   19

<210> 2249

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2249
ccgtcacgcc tcgccttggg gttc   24

<210> 2250

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2250
tctgggtcat cttctcgcgg ttga   24

<210> 2251

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2251
gaaccccaag gcgaggcgt   19

<210> 2252

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2252
ccgtcaccgc catgggtcat cttct   25

<210> 2253

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2253
cgcggttggc cttgggggtt   19

<210> 2254

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2254
ctggggtgtt gaaggtctca aacatgatcc   30

<210> 2255

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2255
agaagatgac ccatggcgg   19

<210> 2256

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2256
ctctctcgtc tctcctggaa ga   22

<210> 2257

<211> 24

<212> DNA

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<220>

<223> Synthetic

<400> 2257
atttgatgtt agtggggtct cgca   24

<210> 2258

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2258
ctctctcgtc tctgctgaca atc   23

<210> 2259

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> The residue at this position is linked to a spacer bearing a Cy3
      dye.

<400> 2392
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dye.

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